
Final Report

**15- Day Pre-Permit Construction
PTC Application
Treasure Valley Forest Products
Mountain Home Facility**

Prepared for
Treasure Valley Forest Products

August 2007

CH2MHILL

RECEIVED

AUG - 2 2007

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE A Q PROGRAM



IDAHO DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton
Boise, Idaho 83706-1253

RECEIPT

08/04/07
DATE

RECEIVED FROM

Lodge Log Homes Inc

SOURCE						
Cash <input type="checkbox"/> Check <input checked="" type="checkbox"/> Money Order <input type="checkbox"/> No. <u>5523</u>						
DESCRIPTION					AMOUNT OF PAYMENT	
<u>PTC Application</u>					<u>1000.00</u>	
RECEIVED BY <u>[Signature]</u>					TOTAL RECEIVED <u>1000.00</u>	
PID	OBS	CA	SUB-OBJ	WP	BE	

Nº 82770

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1.0 Introduction

On behalf of Treasure Valley Forest Products (TVFP), CH2M HILL is requesting a 15-day Permit to Construct (PTC) for the TVFP Mountain Home Facility in Mountain Home, Idaho. The facility is located approximately ¼-mile west of N. Main Street (Highway 30) in the western portion of Mountain Home in Elmore County. This application follows the requirements for Pre-Permit Construction in accordance with the *Rules for the Control of Air Pollution in Idaho* (IDAPA) 58.01.01.213.02.

Dan Balbach, owner of TVFP, purchased the Mountain Home property from Sawtooth Forest Products, Inc. in 2005. A consent order was issued against Sawtooth Forest Products, Inc. by the Idaho Department of Environmental Quality in March of 1987. The consent order primarily consisted of upgrading the Wellons wood-fired boiler for compliance purposes. TVFP has inherited the consent order by way of property acquisition. It is our understanding that a fire destroyed the sawmill operations at the site in 1990 and no activity existed on the site until TVFP purchased the property in 2005. At this time, the Wellons wood-fired boiler was disconnected and taken out of service and has not been in operation. TVFP has no intention of using the wood-fired boiler in their operations. Therefore, TVFP is requesting to have the March 5, 1987 consent order rescinded. The consent order is included in Appendix A.

TVFP is requesting a PTC to address facility-wide wood product operations from a variety of emission generating sources at its Mountain Home facility. Wood product operations include lumber kiln drying, Planer Mill and Pellet Mill activities. This pre-permit construction application includes a process description, plot plan, process flow diagram, emission estimates, modeling protocol and results, and regulatory review.

A pre-permit application meeting about this project was held with the Idaho Department of Environmental Quality (DEQ) on December 20, 2006 along with a discussion regarding a PTC for the TVFP Yamhill facility in Boise, Idaho.

An application fee has been included with the application submittal in accordance with IDAPA 58.01.01.226.

A copy of the public announcement is included in Appendix B. DEQ permit application forms are provided in Appendix C.

2.0, 3.0, 4.0 Process Description, Scaled Plot Plan, Process Flow Diagram

A site location map is provided in Figure 1. The facility includes several buildings situated on approximately 13 acres. A scaled site plan is included in Figure 2. There is no significantly elevated terrain in the near vicinity of the proposed facility.

The process description and process flow diagrams are provided in Appendix D.

5.0 Facility Classification

The TVFP Mountain Home facility is considered a listed facility by definition of the PSD category "fuel conversion plants", processing of sawdust into pellets, per 40 CFR Subpart 52.21. Stationary sources considered "fuel conversion plants" have a 100 ton per year major source threshold for PSD applicability purposes (EPA Memorandum, dated July 31, 2003). The facility emits less than 100 tons per year of any regulated pollutant or combined volatile organic compounds. The site is a minor source for Hazardous Air Pollutants (HAP) with total potential aggregate HAP emissions of less than 25 tons per year and emissions of any single HAP of less than 10 tons per year. The Mountain Home facility potential emissions are less than 100 tons per year PSD threshold and not otherwise subject to Part 52 New Source Review (PSD) requirements.

6.0 Potential to Emit Emission Estimates

Emission estimates were calculated based on emission factors derived from the United States Environmental Protection Agency (US EPA) *Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1: Stationary Point and Area Sources*,¹ manufacturer emission factors and the IDEQ Emission Factor Guide for Wood Industry (1/1997). Emission estimates, assumptions, and manufacturer references are provided in Appendix E.

7.0 Ambient Impact Analysis

An air dispersion modeling protocol was prepared by CH2M HILL and submitted to IDEQ on July 2, 2007. The source parameters and modeling assumptions were identified within the modeling protocol. The protocol was approved via e-mail by DEQ on July 25, 2007. The air dispersion modeling protocol and IDEQ approval are included in Appendix F. Modeling assumptions and results are detailed in a modeling report included in Appendix G.

8.0 T-RACT Analysis

Modeled formaldehyde emissions resulting from calculated emission rates from the lumber drying kilns exceed the Acceptable Ambient Concentrations for Carcinogens per IDAPA 58.01.01.586. Formaldehyde is found in small concentrations emanating from the lumber kilns during the drying process.

CH2M HILL has prepared a Toxics Reasonably Achievable Control Technology (T-RACT) analysis for determining what level of control could reasonably be achieved for formaldehyde emissions. The T-RACT must be technically feasible, environmentally sound, and economically achievable. If a control technology is not feasible, the standard may be based on a work practice, among other considerations. The TVFP formaldehyde T-RACT analysis is included in Appendix H.

¹ Obtained from EPA website June 2007.

9.0 Applicable Requirements

A regulatory analysis was performed for the Yamhill facility to determine the applicability of the state and federal air quality regulations. The regulatory applicability determinations are included in Appendix I.

Figure 1 – Site Location



 Approximate Property Boundary

Aerial Photo: 2004 NAIP

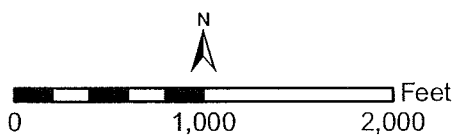


Figure 1
Site Location
Treasure Valley Forest Products
Mountain Home, Idaho

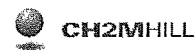
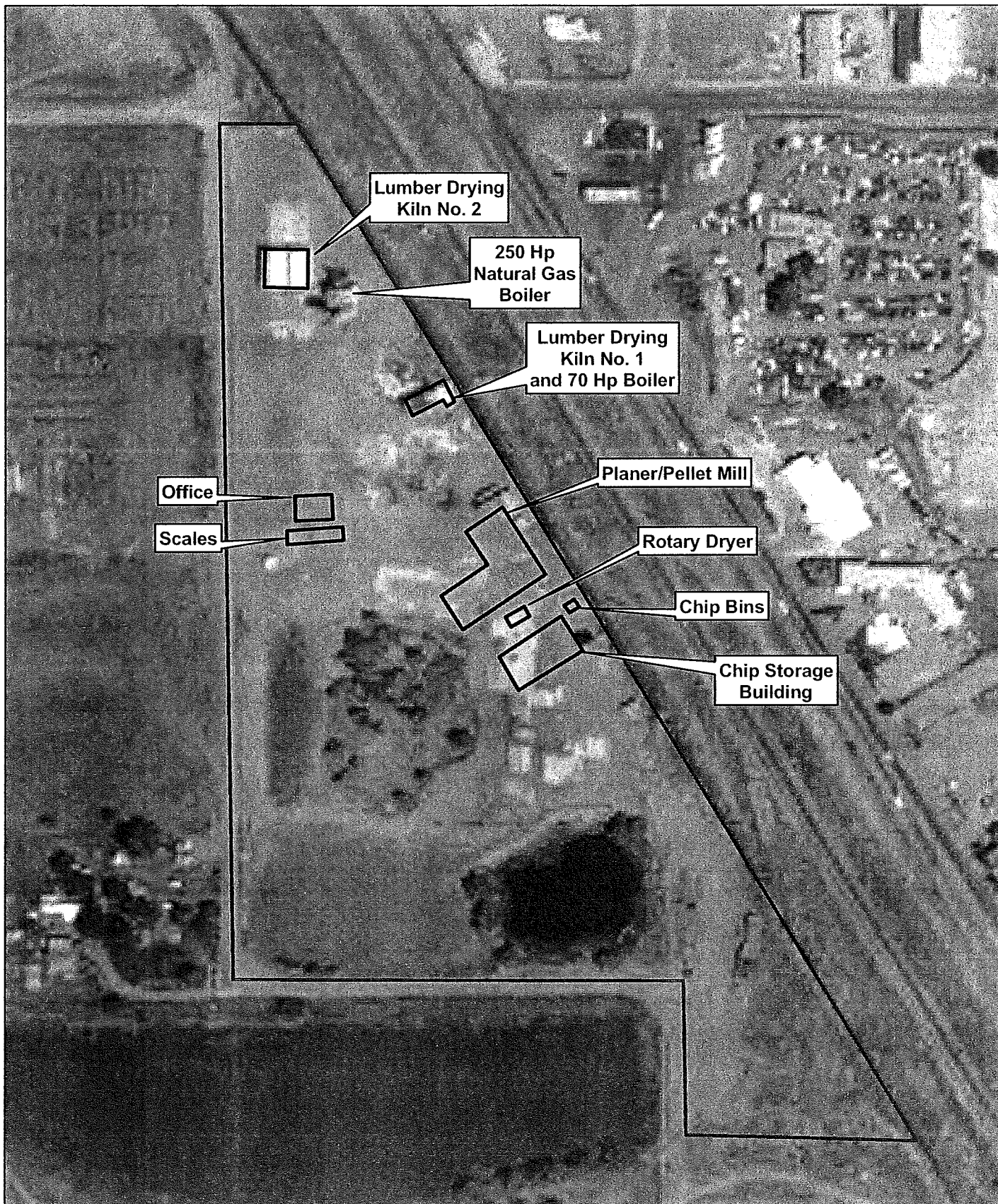


Figure 2- Site Plan



□ Approximate Property Boundary

Aerial Photo: 2004 NAIP

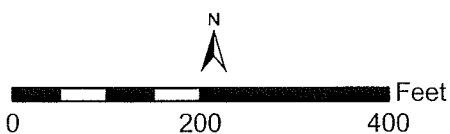


Figure 2
Site Plan
Treasure Valley Forest Products
Mountain Home, Idaho



Appendix A

Sawtooth Forest Products, Inc. Consent Order



STATE OF IDAHO

DEPARTMENT OF HEALTH
AND WELFARE

DIVISION OF ENVIRONMENT
Statehouse
Boise, Idaho 83720

March 5, 1987

Scott Findley
Sawtooth Forest Products, Inc.
P.O. Box 598
Mountain Home, Idaho 83647

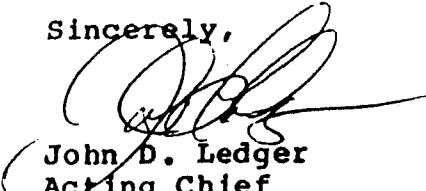
Dear Mr. Findley:

Enclosed is the signed copy of the consent order, dated March 3, 1987, between the Idaho Department of Health and Welfare and Sawtooth Forest Products, Inc.

If you have any questions, please call 334-5898.

Thank you for your cooperation in this matter.

Sincerely,


John D. Ledger
Acting Chief
Idaho Air Quality Bureau

JDL/mg
Enclosure

cc: C. Trueblood
M. Masarik, EPA
K. Brooks
J. Close
CDS/Source File
COF 1.1

RECEIVED

AUG 19 2005

DEPARTMENT OF
ENVIRONMENTAL QUALITY
BOISE REGIONAL OFFICE

IDAHO DEPARTMENT OF HEALTH AND WELFARE

In the matter of:

) CONSENT ORDER

Sawtooth Forest Products, Inc.

) Idaho Code Section 39-108

)

)

1. Pursuant to Idaho Code Section 39-108 (Idaho Environmental Protection and Health Act), the Idaho Department of Health and Welfare (Department) enters into this Consent Order with Sawtooth Forest Products, Inc. (Sawtooth).

2. Sawtooth, an Idaho Corporation, owns and operates a wood products mill at Mountain Home, Elmore County, Idaho. Part of the operation involves a wood fired Wellons boiler to produce steam for drying wood products.

3. On October 30, 1986, Sawtooth reported to the Department the results of a particulate emissions test conducted on September 29, 1986. The results show particulate emissions from the Wellons boiler which may be in excess of the limits specified in IDAPA Section 16.01.1301 (Rules and Regulations for the Control of Air Pollution in Idaho -- fuel burning equipment -- particulate matter) and the March 21, 1986, Permit to Construct.

4. In consideration of the foregoing facts, Sawtooth hereby agrees that this Consent Order is enforceable under Idaho Code Section 39-108, notwithstanding the fact a Notice of Violation was never issued by the Department, and further agrees to perform the following actions:

- a. By June 1, 1987, complete all repairs and modifications to the boiler and associated control equipment in order to bring the facility into compliance with IDAPA Sections 16.01.1201 and 16.01.1301.
- b. Notify the Department, in writing, within five days following the day the work is completed, that modifications and/or repairs are complete.
- c. By June 15, 1987, have a particulate emissions test performed on the Wellons boiler stack in conformance with the Department's Procedures Manual for Air Pollution Control Section I.
- d. Concurrently with the emission test required above, have a visible emission test performed on the Wellons Boiler stack in conformance with the Department's Procedures Manual for Air Pollution Control Section II. If meteorological conditions are

such that a valid visible emission test cannot be performed concurrently with the emission test required above, the visible emission test may be conducted when the boiler is operating under similar conditions within the fifteen (15) days following the test.

e. By July 15, 1987, submit results of the particulate emission and visible emission tests required above. The results shall be in conformance with the reporting requirements found in the Department's Procedures Manual for Air Pollution Control. Sawtooth shall, through the test results, demonstrate that the boiler is in compliance with IDAPA Section 16.01.1201 and 16.01.1301.

5. Sawtooth expressly recognizes that failure to comply with this Consent Order may result in a civil action for specific performance, monetary penalties, assessment of costs, restraining orders, injunctions, and other relief as a court considers to be just and reasonable.

6. If any event occurs which causes, or may cause, delay in the achievement of any requirement under this Consent Order, Sawtooth shall notify the Department, in writing, within ten (10) days of the date Sawtooth knew, or should reasonably have known, of the event. The notice shall describe in detail the anticipated length of the delay, the precise cause or causes of the delay, the measures taken and to be taken by Sawtooth to prevent or minimize the delay, and the timetable by which those measures will be implemented. Sawtooth shall utilize all reasonable measures to avoid or minimize any such delay. If the Department determines that the delay or anticipated delay in the achievement of any requirement of this Consent Order has been, or will be, caused by unforeseeable circumstances beyond the control of Sawtooth, the parties may stipulate to the extension of the particular compliance requirement affected for a period not exceeding the delay caused by such unforeseeable circumstances. The burden of proving that any delay is caused by unforeseeable circumstances beyond the control of Sawtooth, shall rest solely with Sawtooth.

7. The adequacy of actions taken by Sawtooth to meet the terms of this Consent Order and IDAPA Sections 16.01.1000 et seq, resides solely with Sawtooth.

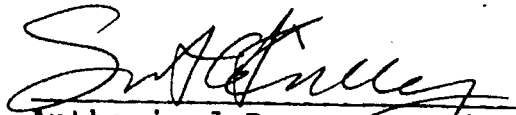
8. This Consent Order shall remain in full force and effect until the Department acknowledges in writing that Sawtooth has fulfilled all requirements of this Consent Order, which acknowledgment shall not be unreasonably withheld and shall be promptly given when Sawtooth has provided emission test results demonstrating compliance with IDAPA Sections 16.01.1201 and 16.01.1301, and the Department's Procedures Manual for Air Pollution Control, Sections I and II.

9. This Consent Order shall bind Sawtooth, its successors and assignees, until terminated in writing by the Department.

10. This Consent Order shall not in any way relieve Sawtooth from any obligation to comply with any provision of the Rules and Regulations for the Control of Air Pollution in Idaho, or any other applicable local, state or federal law.

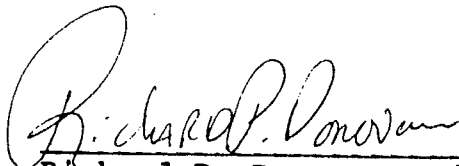
11. The effective date of this Consent Order shall be the date it is signed by the Division of the Department.

DATED this 24th day of February 1987.



Authorized Representative
Sawtooth Forest Products

DATED this 3rd day of March, 1987.



Richard P. Donovan, Director
Department of Health & Welfare

Appendix B

Public Meeting Announcement

Legal Notices

CITY OF MOUNTAIN HOME, IDAHO
QUARTERLY REPORT
FOR THE THREE MONTH PERIOD
BEGINNING APRIL 1, 2007 AND ENDING JUNE 30, 2007

FUND NUMBER AND TITLE	BEGINNING CASH BALANCE	REVENUES	ANNUAL % REALIZED	EXPENDITURES	ANNUAL % EXPENDED
01 GENERAL FUND	1,203,671.60	480,278.32	59.32	1,143,758.84	62.72
02 STREET OILING FUND	125,722.50	166,169.72	69.70	153,072.69	64.57
03 STREET LIGHTING FUND	26,645.23	4,599.59	59.35	19,110.46	61.87
04 CEMETERY FUND	(4,054.81)	12,354.17	68.24	38,309.76	78.66
05 RECREATION FUND	119,969.50	78,054.05	67.65	119,255.21	62.36
06 LIBRARY FUND	40,985.62	15,906.16	59.14	85,760.94	70.25
07 AIRPORT FUND	(894.96)	863.83	38.89	9,547.04	60.66
08 TOURIST CENTER FUND	5,247.49	45.06	4.00	85.00	11.63
09 ECONOMIC DEV FUND	(38,408.02)	86,726.36	67.30	30,782.64	72.78
12 AIRPORT GRANT FUND	.00	.00	.00	12,501.99	2.22
16 FIRE DEVELOPMENT FUND	64,294.65	19,745.41	48.86	.00	.00
17 POLICE DEV FUND	20,031.51	5,993.97	45.64	.00	.00
19 POLICE DRUG ENFORCE FUND	670.67	.00	.00	.00	.00
20 PARK DEVELOPMENT FUND	89,359.14	39,439.54	67.31	.00	18.79
24 GOLF COURSE FUND	(34,389.96)	101,961.33	60.68	151,882.29	67.93
25 WATER MAINTENANCE FUND	761,943.34	553,282.18	58.94	376,075.37	58.96
26 SEWER MAINTENANCE FUND	1,534,935.03	320,412.44	36.28	236,262.58	17.15
27 SANITATION FUND	111,794.23	158,151.16	67.31	157,753.94	59.90
30 DRUG DOG GRANT FUND	8,988.22	.00	.00	.00	.00
31 MED PRESSURE BOOSTER	49,374.00	6,800.00	26.00	28,063.00	57.59
42 WESTSIDE SEWER INTERCEPTOR	12,312.00	4,536.00	5.31	.00	68.60
43 WESTSIDE SEWER PLANT EXPANSION	14,089.38	2,184.00	5.08	.00	45.32
44 LIBRARY CONSTRUCTION FUND	8,232.45	202.60	9.51	3,763.10	74.69
45 LIBRARY DEBT SERVICE FUND	19,997.10	2,353.19	30.38	.00	100.66
46 TAP DEPOSIT FUND	142,515.01	13,650.00	19.09	7,778.70	15.93
47 WATER AVAILABILITY FUND	1,222,083.85	153,700.12	24.11	62,905.93	10.03
48 SEWER AVAILABILITY FUND	1,521,606.32	209,953.88	32.85	76,729.00	8.48
59 LID GUARANTEE FUND	3,147.78	.00	.00	.00	.00
TOTAL	7,029,868.87	2,437,363.08	1,040.94	2,713,398.48	1,151.75

I, Leanna Whitney Taylor, Treasurer of the City of Mountain Home, Idaho, certify that the foregoing is a true and correct statement of quarterly receipts, disbursements and of cash on hand and the detailed supporting records of the above financial statements.

One Publication: July 25, 2007.

Public Meeting Announcement Treasure Valley Forest Products Pre-Permit Construction

An informational meeting will be held at Treasure Valley Forest Products (TVFP) new mill office building located at 788 N. Sawmill Road in Mountain Home, Idaho, 83647 from 4 to 5 PM on Monday August 6, 2007 in accordance with the Rules for the Control of Air Pollution in Idaho, Idaho Administrative Code, IDAPA 58.01.01.213.02. Permit to Construct Procedures For Pre-Permit Construction. The facility is located approximately 1/2 mile west of North Main Street (Highway 30) in Elmore County.

The purpose of the meeting is to inform the general public of Treasure Valley Forest Products' request to produce wood pellets. For this project, Treasure Valley Forest Products proposes to construct a Pellet and Planning Mill at the site. Wood waste material is recycled to produce wood pellets. In addition, this meeting will serve to fulfill the air quality pre-permit construction requirement per IDAPA 58.01.01.213.02.

The TVFP facility will process and dry green forest thinnings primarily consisting of Pine and Douglas fir and produce dry wood chips from operation of a Planning Mill. The facility currently contains two lumber drying kilns. After drying, rough cut lumber is removed from the kiln, and moved to the Planer Mill. The lumber is planed to the desired smoothness and dimensions. The wood shavings are routed from the Planer Mill to the Pellet Mill for processing wood pellets. Additional sawdust and wood shavings collected at the Boise Yamhill facility will be transported by covered truck and temporarily stored in 3-sided bins at the Mountain Home facility for processing wood pellets.

following described river front lots in the Amended Elk Valley Subdivision belonging to the State of Idaho, and situated in Elmore County will be offered for sale at public auction at the Mountain Home City Police building located at 2775 E 8th N, Mountain Home, Idaho 83647, on August 23, 2007, at 1:00 P.M.

Parcel 1: Subdivision Lot 10, in Gov't Lot 5, Section 16, Township 3 North, Range 10 East, B.M., consisting of 1.26 acres, more or less. Appraised Value: \$300,000.

Parcel 2: Subdivision Lot 11, in Gov't Lot 5, Section 10, Township 3 North, Range 10 East, B.M., consisting of 1.25 acres, more or less. Appraised Value: \$300,000.

Both of these lots are Public School Endowment Lands. No one individual, company, or corporation may purchase more than 320 acres of endowment land from the State. This 320-acre limitation upon purchase of these endowment lands is an absolute, not an annual limit. Any individual, company, or corporation intending to bid at this sale will be required to sign an affidavit to the effect that they have not exceeded this acreage limitation by previous purchases from the State, nor will they if they are the successful bidder at this sale. Also, that they are not attempting to make any such purchase for, or on behalf of, any person, company, or corporation which will, if the purchaser, exceed the 320-acre limitation. Those contemplating bidding on this sale may determine their status on this matter by contacting the Boise office of the Department of Lands, Real Estate Section, at least seven (7) days prior to the sale date.

TERMS OF SALE

Each of lots will be auctioned individually, and no bid of less than the appraised

person, they must provide a signed and notarized "Verification of Bidder's Representation" form from the purchaser, along with a U.S. approved picture identification. The State of Idaho will not accept bids from any person, party, or corporation who at the time of sale is delinquent with payments on active State contracts.

All deposits of unsuccessful bidders will be returned on day of sale. Successful purchaser will in addition to the bid price, pay for lot appraisal fee and advertising costs in three (3) newspapers on day of sale applicable to each lot. The advertising costs will be divided equally between the lots and will be determined at close of auction. Personal checks will be accepted for any amounts due over the original deposit to cover these incidental expenses.

The State will pay a Commission of \$6,000 per lot, at the date of closing to a licensed realtor representing the successful bidder. The successful bidder must provide a signed Letter of Representation, which includes the full name, address, business name, and Realtor license number of the Representing Realtor.

For additional information and full details on terms of sale on the parcel(s) contact Tracey Rauch at the Department of Lands, 954 West Jefferson Street, Boise, Idaho 83720. Additional information on the parcel is also available on our web site: www.idaho.gov/bureau/RealEstate/index.cfm

Persons requiring special accommodation at the public land auction need to contact Tracey Rauch at (208) 334-0230, at least seven (7) days prior to the auction date to make arrangements.

BY ORDER OF THE STATE BOARD OF LAND COMMISSIONERS

George Bacon
Director

First Publication: July 25, 2007
Last Publication: August 15, 2007

will be made for persons with disabilities who are unable to attend this hearing. A grievance procedure is available. Bate, Elmore County Courthouse, concordance with the ADA regulation.

MARSA GRIMMETT
CLERK
BOARD OF COMMISSIONERS
ELMORE COUNTY, IDAHO

First Publication: July 25, 2007
Last Publication: August 15, 2007

BOARD OF ELMORE COUNTY COMMISSIONERS NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY

that on Monday, August 20, 2007 at 3:00 p.m. in the Community Room, basement of the Elmore Courthouse, 150 South 4th East in Mountain Home, Idaho, a public hearing will be held to hear public comment on proposed Ordinance of Elmore County, defining the terms "Fireworks", "Dangerous Fireworks", and "Safe Fireworks". Providing for a fireworks permit and a safe fireworks permit; providing for the review of applicants for permits; providing for what conditions the County shall issue the permit; authorizing for the sale and use of fireworks; rules for temporary fireworks; enforcing general prohibitions; providing for recordkeeping; providing for enforcement; setting out penalties for violations; and providing an effective date.

Persons who are unable to be present at the hearing or who do not wish to submit written testimony to the County Commissioners, may submit written testimony to the County Commissioners, 150 South 4th East, Suite #3, Mountain Home, Idaho 83647 before or during the hearing. Written testimony will not be taken by the Commissioners at the hearing unless directed otherwise. Written



IDEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
 04/03/07

Please see instructions on page 2 before filling out the form.

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER			
1. Company Name	Treasure Valley Forest Products		
2. Facility Name	TVFP- Mountain Home	3. Facility ID No.	
4. Brief Project Description - One sentence or less	New Planer/Pellet Mill and Process Facility		
PERMIT APPLICATION TYPE			
5. <input type="checkbox"/> New Facility <input type="checkbox"/> New Source at Existing Facility <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modify Existing Source: Permit No.: _____ Date Issued: _____ <input type="checkbox"/> Required by Enforcement Action: Case No.: _____			
6. <input checked="" type="checkbox"/> Minor PTC <input type="checkbox"/> Major PTC			
FORMS INCLUDED			
Included	N/A	Forms	DEQ Verify
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form GI – Facility Information	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU0 – Emissions Units General 7	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU1 - Industrial Engine Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU4 - Cooling Tower Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU5 – Boiler Information Please Specify number of forms attached: 2	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form BCE - Baghouses Control Equipment	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form SCE - Scrubbers Control Equipment	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PP – Plot Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form FRA – Federal Regulation Applicability	<input type="checkbox"/>

DEQ USE ONLY	
Date Received	
Project Number	
Payment / Fees Included? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Check Number	

General Information Form GI



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION	
1. Company Name	Treasure Valley Forest Products
2. Facility Name (if different than #1)	TVFP
3. Facility I.D. No.	
4. Brief Project Description:	New Planer/Pellet Mill and Facility Process
FACILITY INFORMATION	
5. Owned/operated by: (✓ if applicable)	<input type="checkbox"/> Federal government <input type="checkbox"/> County government <input type="checkbox"/> State government <input type="checkbox"/> City government
6. Primary Facility Permit Contact Person/Title	Kevin Frost, Operations Manager
7. Telephone Number and Email Address	208.870.6935
8. Alternate Facility Contact Person/Title	Rick Brenneman, Project Manager
9. Telephone Number and Email Address	208.336.2450
10. Address to which permit should be sent	7789 S. Federal Way
11. City/State/Zip	Boise, ID 83716
12. Equipment Location Address (if different than #10)	788 North Sawmill Road
13. City/State/Zip	Mountain Home, Idaho, 83647
14. Is this Equipment Portable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
15. SIC Code(s) and NAISC Code	Primary SIC: 2421 Secondary SIC (if any): NAICS: 32191
16. Brief Business Description and Principal Product	New Planer/Pellet Mill - produce wood pellets
17. Identify any adjacent or contiguous facility that this company owns and/or operates	TVFP Mountain Home
PERMIT APPLICATION TYPE	
18. Specify Reason for Application	<input type="checkbox"/> New Facility <input type="checkbox"/> New Source at Existing Facility <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modify Existing Source: Permit No.: _____ Date Issued: _____ <input type="checkbox"/> Permit Revision <input type="checkbox"/> Required by Enforcement Action: Case No.: _____
CERTIFICATION	
IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.	
19. Responsible Official's Name/Title	<i>Project Manager - OPERATION - PROJECT MGR</i>
20. RESPONSIBLE OFFICIAL SIGNATURE	<i>Rick Brenneman</i> Date: <i>7-27-07</i>
21. <input checked="" type="checkbox"/> Check here to indicate you would like to review a draft permit prior to final issuance.	



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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description:	New Planer/Pellet Mill and Facility Process	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	ROTARY DRUM DRYER		
2. EU ID Number:			
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	MEC		
5. Model:			
6. Maximum Capacity:	35 MMBTU/HR		
7. Date of Construction:	SEPTEMBER 2007		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	High Efficiency Cyclone					
11. Date of Installation:	9/07	12. Date of Modification (if any):				
13. Manufacturer and Model Number:	MEC					
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NOx	VOC	CO
		90				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	2080 HR/YR
19. Maximum Operation	2080 HR/YR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	12 oven dried tons per year
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description:	New Planer/Pellet Mill and Process Facility	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	LUMBER KILN NO. 1		
2. EU ID Number:	LK1		
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	TREASURE VALLEY FOREST PRODUCTS, INC.		
5. Model:			
6. Maximum Capacity:	10,400,000 BOARD-FEET/YEAR		
7. Date of Construction:			
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NOx	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HOURS/YEAR
19. Maximum Operation	8760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)
<input checked="" type="checkbox"/> Operation Hour Limit(s):	5,000 BF/HR
<input checked="" type="checkbox"/> Production Limit(s):	40,000 BF/DAY
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description:	New Planer/Pellet Mill and Facility Process	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	LUMBER KILN NO. 2		
2. EU ID Number:	LK2		
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:	TREASURE VALLEY FOREST PRODUCTS, INC.		
5. Model:			
6. Maximum Capacity:	13,000,000 BOARD-FEET/YEAR		
7. Date of Construction:			
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HOURS/YEAR
19. Maximum Operation	8760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check all that apply below)
<input checked="" type="checkbox"/> Operation Hour Limit(s):	6,250 BF/HR
<input checked="" type="checkbox"/> Production Limit(s):	50,000 BF/DAY
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description:	New Planer/Pellet Mill and Facility Process	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	PELLET MILL HOPPER		
2. EU ID Number:			
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #:		Date Issued:
4. Manufacturer:			
5. Model:			
6. Maximum Capacity:	10 TON/HR		
7. Date of Construction:	SEMPTEMBER 07		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NOx	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	2080 HOURS/YEAR
19. Maximum Operation	2080 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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Emissions Unit - General Form EU0

PERMIT TO CONSTRUCT APPLICATION

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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description: New Planer/Pellet Mill and Facility Process		

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	WOOD CHIPPER		
2. EU ID Number:	CHIP		
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #:		Date Issued:
4. Manufacturer:			
5. Model:			
6. Maximum Capacity:	2,577 LB/HR		
7. Date of Construction:	September 07		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NOx	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	2080 HOURS/YEAR
19. Maximum Operation	2080 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description:	New Planer/Pellet Mill and Facility Process	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	CHIPPER SCREEN		
2. EU ID Number:	CHIPSCR		
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #: Date Issued:		
4. Manufacturer:			
5. Model:			
6. Maximum Capacity:	2,577 LB/HR		
7. Date of Construction:	SEPTEMBER 2007		
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NOx	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	2080 HOURS/YEAR
19. Maximum Operation	2080 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description:	New Planer/Pellet Mill and Process Facility	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	LOG KILN HEATER		
2. EU ID Number:	HEATLK1		
3. EU Type:	<input type="checkbox"/> New Source <input checked="" type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modification to a Permitted Source -- Previous Permit #:		Date Issued:
4. Manufacturer:	ADVANCED DISTRIBUTOR PRODUCTS		
5. Model:			
6. Maximum Capacity:	0.29 MMBTU/HR -2 rm htrs rating at 0.145 MMBtu/hr		
7. Date of Construction:			
8. Date of Modification (if any)			
9. Is this a Controlled Emission Unit?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If Yes, complete the following section. If No, go to line 18.		

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:						
11. Date of Installation:			12. Date of Modification (if any):			
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, attach and label manufacturer guarantee)					
Control Efficiency	Pollutant Controlled					
	PM	PM10	SO ₂	NO _x	VOC	CO

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HOURS/YEAR
19. Maximum Operation	8760 HOURS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, check all that apply below)
<input type="checkbox"/> Operation Hour Limit(s):	
<input type="checkbox"/> Production Limit(s):	
<input type="checkbox"/> Material Usage Limit(s):	
<input type="checkbox"/> Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
<input type="checkbox"/> Other:	
21. Rationale for Requesting the Limit(s):	



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description: New Planer/Pellet Mill and Facility Process		

EXEMPTION

Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.

BOILER (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

1. Type of Request: <input type="checkbox"/> New Unit <input checked="" type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #:		
2. Use of Boiler: <input type="checkbox"/> % Used For Process <input checked="" type="checkbox"/> % Used For Space Heat <input type="checkbox"/> % Used For Generating Electricity <input type="checkbox"/> Other:		
3. Boiler ID Number: 250HP	4. Rated Capacity: <input checked="" type="checkbox"/> 8.369 Million British Thermal Units Per Hour (MMBtu/hr) <input type="checkbox"/> 1,000 Pounds Steam Per Hour (1,000 lb steam/hr)	
5. Construction Date:	6. Manufacturer: Kewanee	7. Model:
8. Date of Modification (if applicable):	9. Serial Number (if available):	10. Control Device (if any): Note: Attach applicable control equipment form(s)

FUEL DESCRIPTION AND SPECIFICATIONS

11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input type="checkbox"/> Other Fuels (unit: /hr)
12. Full Load Consumption Rate		10460		
13. Actual Consumption Rate				
14. Fuel Heat Content (Btu/unit, LHV)		1050 Btu/hr		
15. Sulfur Content wt%				
16. Ash Content wt%		N/A		

STEAM DESCRIPTION AND SPECIFICATIONS

17. Steam Heat Content	NA	NA		
18. Steam Temperature (°F)	N/A	N/A		
19. Steam Pressure (psi)	N/A	N/A		
20. Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): 8760 hours/year
22. Operating Schedule (hours/day, months/year, etc.): 24 hours/day



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IDENTIFICATION

Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description: New Planer/Pellet Mill and Facility Process		

EXEMPTION

Please see IDAPA 58.01.01.222 for a list of industrial boilers that are exempt from Permit to Construct requirements.

BOILER (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

1. Type of Request: <input type="checkbox"/> New Unit <input checked="" type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #:		
2. Use of Boiler: <input type="checkbox"/> % Used For Process <input checked="" type="checkbox"/> % Used For Space Heat <input type="checkbox"/> % Used For Generating Electricity <input type="checkbox"/> Other:		
3. Boiler ID Number: 70HP	4. Rated Capacity: <input checked="" type="checkbox"/> 2.343 Million British Thermal Units Per Hour (MMBtu/hr) <input type="checkbox"/> 1,000 Pounds Steam Per Hour (1,000 lb steam/hr)	
5. Construction Date:	6. Manufacturer: Cleaver Brooks	7. Model:
8. Date of Modification (if applicable):	9. Serial Number (if available):	10. Control Device (if any): Note: Attach applicable control equipment form(s)

FUEL DESCRIPTION AND SPECIFICATIONS

11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input checked="" type="checkbox"/> Natural Gas (cf/hr)	<input type="checkbox"/> Coal (unit: /hr)	<input type="checkbox"/> Other Fuels (unit: /hr)
12. Full Load Consumption Rate		2930		
13. Actual Consumption Rate				
14. Fuel Heat Content (Btu/unit, LHV)		1050 BTU/hr		
15. Sulfur Content wt%				
16. Ash Content wt%		N/A		

STEAM DESCRIPTION AND SPECIFICATIONS

17. Steam Heat Content	NA	NA		
18. Steam Temperature (°F)	N/A	N/A		
19. Steam Pressure (psi)	N/A	N/A		
20. Steam Type	N/A	N/A	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated	<input type="checkbox"/> Saturated <input type="checkbox"/> Superheated

OPERATING LIMITS & SCHEDULE

21. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.): 8760 hours/year
22. Operating Schedule (hours/day, months/year, etc.): 24 hours/day

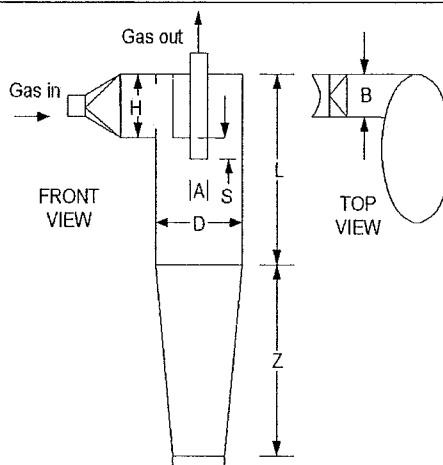


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PERMIT TO CONSTRUCT APPLICATION

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04/02/07

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IDENTIFICATION																					
Company Name: Treasure Valley Forest Products		Facility Name: TVFP -Mountain Home																			
		Facility ID No.:																			
Brief Project Description: New Planer/Pellet Mill and Process Facility - Pellet Mill Cyclone																					
CYCLONE SEPARATOR INFORMATION																					
Equipment Description																					
Manufacturer:		Model Number:																			
Dimensions  <p>Give dimensions of cyclone. (See sample diagram above.)</p> <p>1. B: in. 5. Z: in. 2. H: in. 6. D: in. 3. S: in. 7. A: in. 4. L: in. 8. J: in.</p>	Particulate Size Distribution Data <table border="1"> <thead> <tr> <th>Micron range</th> <th>Particle size distribution weight %</th> <th>Manufacturer's guaranteed removal efficiency for each micron range</th> </tr> </thead> <tbody> <tr> <td>0.5-1.0</td> <td></td> <td></td> </tr> <tr> <td>1.0-5.0</td> <td></td> <td></td> </tr> <tr> <td>5-10</td> <td></td> <td>90</td> </tr> <tr> <td>10-20</td> <td></td> <td></td> </tr> <tr> <td>Over 20</td> <td></td> <td></td> </tr> </tbody> </table>			Micron range	Particle size distribution weight %	Manufacturer's guaranteed removal efficiency for each micron range	0.5-1.0			1.0-5.0			5-10		90	10-20			Over 20		
	Micron range	Particle size distribution weight %	Manufacturer's guaranteed removal efficiency for each micron range																		
	0.5-1.0																				
	1.0-5.0																				
	5-10		90																		
	10-20																				
	Over 20																				
	Type of Cyclone <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry																				
	Type of Cyclone Unit <input checked="" type="checkbox"/> Single <input type="checkbox"/> Quadruple <input type="checkbox"/> Dual <input type="checkbox"/> Multiclone																				
	Blower Blower horsepower: hp Design flow rate: scfm Draft: <input type="checkbox"/> Forced <input type="checkbox"/> Induced																				
Design Criteria Cyclone configuration: <input type="checkbox"/> Positive pressure <input type="checkbox"/> Negative pressure																					
Pre-Treatment Device <input type="checkbox"/> Cyclone <input type="checkbox"/> Knock-out chamber <input type="checkbox"/> Precooler <input type="checkbox"/> None <input type="checkbox"/> Preheater		Post-Treatment Device <input type="checkbox"/> Baghouse/Cartridge <input type="checkbox"/> HEPA <input type="checkbox"/> Other:																			



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[illegible]

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TVFP - Mountain Home

Facility ID No.:

Brief Project Description:	New Planer/Pellet Mill and Process Facility
----------------------------	---

1.

2.

3.

PM₁₀

$$\text{SO}_2$$

NO_x

CO

VOC

Lead

Emissions units

Stack ID

lb/hr

T/vr

lb/hr

T/vr

lb/hr

$$\frac{\Delta}{T/v}$$

1b/h

T/s

1	the
---	-----

[illegible]

		18
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Point Source(s)

250 HP Boiler	250HP	0.06	0.27	0.01	0.02	0.80	3.49	0.67	2.93	0.04	0.19	0.00	0.00
70 HP Boiler	70HP	0.02	0.07	0.00	0.01	0.22	0.98	0.19	0.82	0.01	0.05	0.00	0.00
Lumber Kiln No. 1		0.03	0.03							16.50	17.16		
Lumber Kiln No. 2		0.03	0.03							10.32	10.73		
Rotary Drum Dryer Cyclone	RD	0.65	0.67	0.02	0.02	2.04	2.12	3.12	3.24	11.52	12.00		
Pellett Mill Cyclone	PMC	1.11	1.15										
Lumber Kiln No. 1 Heaters (2)	HEATLK1	0.00	0.01	0.00	0.00	0.03	0.12	0.02	0.10	0.00	0.01	0.00	0.00
Planer Mill Baghouse	PMB	0.05	0.05										
Total		1.95	2.28	0.03	0.05	3.09	6.71	4.00	7.09	38.39	40.14	0.00	0.00



DEQ AIR QUALITY PROGRAM
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For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
04/05/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Treasure Valley Forest Products
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Facility Name:	TVFP - Mountain Home
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Facility ID No.:

Brief Project Description:	New Planer/Pellet Mill and Process Facility
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SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

[illegible]



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PERMIT TO CONSTRUCT APPLICATION


Revision 3
04/05/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Treasure Valley Forest Products
Facility Name:	TVFP - Mountain Home
Facility ID No.:	
Brief Project Description:	New Planer/Pellet Mill and Facility Process

SUMMARY OF AIR IMPACT ANALYSIS RESULTS - CRITERIA POLLUTANTS

		1.		2.	3.	4.		5.
Criteria Pollutants	Averaging Period	Significant Impact Analysis Results (µg/m3)	Significant Contribution Level (µg/m3)	Full Impact Analysis Results (µg/m3)	Background Concentration (µg/m3)	Total Ambient Impact (µg/m3)	NAAQS (µg/m3)	Percent of NAAQS
PM ₁₀	24-hour		5	26.54	81.00	107.54	150	72%
	Annual		1	6.39	27.00	33.39	50	67%
SO ₂	3-hr		25	3.40	42.00	45.40	1300	3%
	24-hr		5	1.70	26.00	27.70	365	8%
	Annual		1	1.29	8.00	9.29	80	12%
NO ₂	Annual		1	55.51	32.00	87.51	100	88%
CO	1-hr		2000	620.23	10,200.00	10,820.23	40000	27%
	8-hr		500	378.26	3,400.00	3,778.26	10000	38%

		DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit Hotline - 1-877-5PERMIT		PERMIT TO CONSTRUCT APPLICATION Revision 3 03/27/2007						
<i>Please see instructions on page 2 before filling out the form.</i>										
Company Name:		Treasure Valley Forest Products								
Facility Name:		TVFP - Mountain Home								
Facility ID No.:										
Brief Project Description:		New Planer/Pellet Mill and Process Facility								
POINT SOURCE STACK PARAMETERS										
1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.
Emissions units	Stack ID	UTM Easting (m)	UTM Northing (m)	Base Elevation (m)	Stack Height (m)	Modeled Diameter (m)	Stack Exit Temperature (K)	Stack Exit Flowrate (acfm)	Stack Exit Velocity (m/s)	Stack orientation (e.g., horizontal, rain cap)
Point Source(s)										
250 HP Natural Gas Boiler	250HP	#####	#####		6.10	0.48	449.80		0.01	No rain cap
70 HP natural gas boiler	70HP	#####	#####		4.88	0.30	449.80		0.01	No rain cap
Rotary Drum Dryer	RD	#####	#####		6.10	0.20	533.15		174.72	No rain cap
Planer Mill Baghouse	PMB	#####	#####		6.10	0.20	298.00		0.00	No rain cap
Pellet Mill Cyclone	PMC	#####	#####		8.54	0.20	298.00		171.73	No rain cap
	LK1				7.62	0.58	298.00		0.00	
	LK2				7.62	0.58	298.00		0.00	
	LK3				7.62	0.58	298.00		0.00	
	LK4				7.62	0.58	298.00		0.00	
	LK5				7.92	0.58	298.00		0.00	
	LK6				7.92	0.58	298.00		0.00	
	LK7				7.92	0.58	298.00		0.00	
	LK8				7.92	0.58	298.00		0.00	
	LK9				7.92	0.58	298.00		0.00	
	LK10				7.92	0.58	298.00		0.00	
	LK11				7.92	0.58	298.00		0.00	
	LK12				7.92	0.58	298.00		0.00	
	LK13				7.92	0.58	298.00		0.00	
	LK14				7.92	0.58	298.00		0.00	



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PERMIT TO CONSTRUCT APPLICATION

Revision 3

04/05/2007

Please see instructions on page 2 before filling out the form.

Company Name: Treasure Valley Forest Products

Facility Name:

TVFP - Mountain Home

Facility ID No.:

Brief Project Description: New Planer/Pellet Mill and Process Facility

FUGITIVE SOURCE PARAMETERS

1.	2.	3a.	3b.	4.	5.	6.	7.	8.	9.	10.
Emissions units	Stack ID	UTM Easting (m)	UTM Northing (m)	Base Elevation (m)	Release Height (m)	Easterly Length (m)	Northerly Length (m)	Angle from North (°)	Initial Vertical Dimension (m)	Initial Horizontal Dimension (m)
Area Source(s)										
Planer Mill Hoper	PHOP	605,570.00	#####		2.44					
Wood Chipper	CHIP	605,520.00	#####		4.88					
Chipper Screen	CHIPSCR	605,522.00	#####		5.49					

Volume Source(s)

Please see instructions on page 2 before filling out the form.

Brief Project Description: New Planer/Pellet Mill and Process Facility

1.

2.

3.

4.

5.

6.

7.

Length (ft)

Width (ft)

Base
Elevation (m)

**Building
Height (m)**

Number of Tiers

Description/Comments

180.00

80.00

7.31

1

50.00

25.00

4.88

1

62.00

25.00

7.62

1

1	8 roof vents; 4 intake, 4 exhaust; each vent is 20" by 20"
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55.00

60.00

7.93

1

1	20 roof vents total; 10 intake, 10 exhaust; each vent is 20" by 20"
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PERMIT TO CONSTRUCT APPLICATION

Revision 1
 01/11/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Treasure Valley Forest Products	Facility Name: TVFP - Mountain Home	Facility ID No:
Brief Project Description: New Planer/Pellet Mill and Process Facility		
APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* * If YES then applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please identify sub-part: _____
3. Will this project be subject to a MACT (<u>M</u> aximum <u>A</u> chievable <u>C</u> ontrol <u>T</u> echnology) regulation? (40 CFR part 63)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please identify sub-part: _____
THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT		
4. Will this project be subject to a NESHAP (<u>N</u> ational <u>E</u> mission <u>S</u> tandards for <u>H</u> azardous <u>A</u> ir <u>P</u> ollutants) regulation? (40 CFR part 61)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please identify sub-part: _____
5. Will this project be subject to PSD (<u>P</u> revention of <u>S</u> ignificant <u>D</u> eterioration)? (40 CFR section 52.21)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
6. Was netting done for this project to avoid PSD?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES please attach netting calculations
IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS CALL THE AIR PERMIT HOTLINE AT 877-5PERMIT		